

What is claimed is:

1. A flat display panel fixing apparatus comprising:

a flat display panel;

5 a fixing frame for supporting the flat display panel;

a back cover having guide means for guiding aligning locations of the fixing frame and/or the flat display panel and fixing means for fixing the fixing frame and/or the flat display panel; and

10 a front cover for receiving the flat display panel and the fixing frame, the front cover being coupled on the back cover.

2. The flat display panel fixing apparatus according to claim 1, wherein the guide means comprises a plurality of guide
15 portions formed on an inner side surface of the back cover.

3. The flat display panel fixing apparatus according to claim 1, wherein the guide means is formed on a side end line of the back cover, and the guide means comprising a plurality of
20 guide portions provided with an aligning groove.

4. The flat display panel fixing apparatus according to claim 1, wherein the fixing means comprises:

a boss provided with a fixing hole in which a fastener is

inserted; and

a reinforcing rib for supporting the boss.

5 5. The flat display panel fixing apparatus according to
claim 1, wherein the guide means is disposed in the vicinity of
the fixing means.

10 6. The flat display panel fixing apparatus according to
claim 1, wherein the guide means and/or the fixing means is
formed on at least one corner of the back cover.

15 7. The flat display panel fixing apparatus according to
claim 1, wherein the front cover is coupled to the back cover by
hook means.

20 8. The flat display panel fixing apparatus according to
claim 1, wherein the front cover is coupled to the back cover by
a hook projection and a hook portion corresponding to the hook
projection.

9. The flat display panel fixing apparatus according to
claim 1, wherein the front cover is coupled to the back cover by
a cover fastener.

10. The flat display panel fixing apparatus according to claim 1 further comprising a support rib formed on an inner surface of a side portion of the front panel to support the flat display panel.

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11. The flat display panel fixing apparatus according to claim 1, wherein the fixing means comprises:

a boss provided with a fixing hole; and

10 a fastener inserted simultaneously through the fixing hole of the boss and holes formed on the fixing frame and the flat display panel.

12. The flat display panel fixing apparatus according to claim 1, wherein the panel display panel is provided with a panel
15 fixing portion formed corresponding to the fixing means; and

the fixing frame is provided with a frame fixing portion formed corresponding to the fixing means.

13. The flat display panel fixing apparatus according to
20 claim 1, wherein the fixing means comprises a boss provided with a fixing hole in which a fastener is inserted; and

the fixing frame is provided with a fixing bracket in which the fastener is inserted, the fixing bracket being formed corresponding to the boss.

14. The flat display panel fixing apparatus according to claim 1, wherein the fixing frame is provided with an aligning guide for accurately aligning the flat display panel on the
5 fixing frame.

15. A flat display monitor comprising:

a high strength back cover having a rear surface on which a support structure is coupled;

10 a fixing frame and/or a flat display panel fixed on an inner surface of the back cover by fixing means; and

a front cover for receiving the fixing frame and/or the flat display panel, the front cover being fixed on a front surface of the back cover.

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16. The flat display monitor according to claim 15, wherein the fixing means comprises:

a fixing portion formed on an inner surface of the back cover;

20 a frame fixing portion and/or a panel fixing portion, the frame fixing portion being formed on the fixing frame to correspond to the fixing portion and the panel fixing portion being formed on the flat display panel to correspond to the fixing portion; and

a fastener inserted through the fixing portion and the frame fixing portion and/or the panel fixing portion.

17. The flat display monitor according to claim 15, wherein
5 the flat display panel is an LCD module.

18. The flat display monitor according to claim 15, wherein the front cover is coupled to the back cover by hook means.

10 19. The flat display monitor according to claim 15, wherein the front cover is coupled to the back cover by a screw.

20. A method for fixing a flat display panel, the method comprising the steps of:

15 aligning the flat display panel with a back cover;
fixing the flat display panel on the back cover using a fastener; and
fixing a front cover on the back cover.

20 21. The method according to claim 20, wherein after being aligned with a fixing frame, the flat display panel is fixed together with the fixing frame on the back cover by the fastener.

22. The method according to claim 20, wherein after being

aligned with a fixing frame, the flat display panel is fixed on the back cover by the fixing frame.

23. The method according to claim 20, wherein the back
5 cover and the front cover are fixed to each other by hook means.

24. The method according to claim 20, wherein the front cover is fixed to the back cover by a screw.